

INTERNATIONAL SEARCH REPORT

International Application No

PCT/FR2004/003279

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F16K31/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 051 312 A (MARTONAIR LTD) 14 January 1981 (1981-01-14) page 1, line 71 - page 2, line 35	1-3, 9, 11, 12, 14
Y	page 2, line 102 - line 106; figure 1	5-8
A	-----	13
Y	GB 1 350 379 A (ADAN HYDRAULICS LTD; CURTIS J H) 18 April 1974 (1974-04-18) page 2, line 12 - line 35; figure 1	5-8
	page 2, line 65 - line 83; figure 2	-----
X	US 4 561 627 A (MECKSTROTH ALAN F) 31 December 1985 (1985-12-31) column 4, line 43 - column 6, line 32; figure 5	1, 2
A	-----	3-6, 8, 9, 11-15
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the International search

12 April 2005

Date of mailing of the International search report

21/04/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 383 195 A (KOLM ERIC A ET AL) 10 May 1983 (1983-05-10) figure 1 -----	1
A	PATENT ABSTRACTS OF JAPAN vol. 0092, no. 06 (M-406), 23 August 1985 (1985-08-23) & JP 60 065968 A (HITACHI MAXELL KK), 15 April 1985 (1985-04-15) abstract; figure 2 -----	1

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Information on patent family members

International Application No
PCT/FR2004/003279

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
GB 2051312	A 14-01-1981	NONE	
GB 1350379	A 18-04-1974	DE 2130656 A1 DE 7123781 U FR 2099804 A5	23-12-1971 12-09-1974 17-03-1972
US 4561627	A 31-12-1985	US 4390157 A	28-06-1983
US 4383195	A 10-05-1983	NONE	
JP 60065968	A 15-04-1985	NONE	